FEB 1 0 2003

FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: STK-008CN

APPLICANT: Oppermann et al.

SERIAL NO.: 09/754,831

FILING DATE: 1/3/01

GROUP: 1647 1646

EXAM.		DOCUMENT NUMBER 4,294,753	DATE 10/13/81	NAME	CLASS 530	SUB CLASS 395		DATE IF
INIT.	ļ						APPRO	PRIATE
WEX.	A1			Urist				
	A2	4,394,370	7/19/83	Jefferies	424	15		
	A3	4,434,094	2/28/84	Seyedin et al.	530	416		
	A4	4,455,256	6/19/84	Urist	530	350		
	A5	4,563,350	1/7/86	Nathan et al.	424	95		
1	A6	4,563,489	1/7/86	Urist	524	21		
	A7	4,774,322	9/27/88	Seyedin et al.	530	353		
	A8	4,795,804	1/3/89	Urist	530	350		
	A9	4,804,744	2/14/89	Sen	530	350		SEIVED
	A10	4,810,691	3/7/89	Seyedin et al.	514	2	HE	SEIVED
	All	8,843,063	6/27/89	Seyedin et al.	514	2	FEB	1 3 2003
1	A12	4,877,864	10/31/89	Wang et al.	530	324 T	ברון רו	ENTER 1600/2
1	A13	5,013,649	5/7/91	Wang et al.	435	69.1		EIHITT IN
1	A14	5,106,626	4/21/92	Parsons et al.	424	423		
1	A15	5,106,748	4/21/92	Wozney et al.	435	252.3		
1	A16	5,108,922	4/28/92	Wang et al.	435	240		
1	A17	5,116,738	5/26/92	Wang et al.	435	69.1		
	A18	5,141,905	8/25/92	Rosen et al.	435	69.1		
	A19	5,154,931	10/13/92	Kruger et al.				
	A20	5,166,058	11/24/92	Wang et al.	435	69.1		
_	A21	5,187,076	2/16/93	Wozney et al.	435	69.1		
	A22	5,250,302	10/5/93	Opperman et al.	424	422		
	A23	5,366,875	11/22/94	Wozney et al.			-	
1	A24	5,585,237	12/17/96	Oppermann et al.	435	6	 	

Sheet 2 of 4 ATTORNEY DOCKET NO.: STK-008CN ORM PTO - 1449 FORMATION DISCLOSURE STATEMENT APPLICANT: Oppermann et al. SERIAL NO.: 09/754,831 GROUP: 1647 1646 FILING DATE: 1/3/01 FOREIGN PATENT DOCUMENTS **ENGLISH** CLASS ABSTRACT COUNTRY **FILING** DATE DOCUMENT EXAM. ONLY LANG **CLASS** DATE CODE NUMBER INIT. (Y/N) 12/5/85 PCT 85/05274 0016 **PCT** 86/00526 1/30/86 **PCT** 88/00205 1/14/88 **B3** 10/19/89 **PCT B**4 89/09605 11/2/89 **PCT** 89/10409 **B5** 4/19/90 **PCT** 90/03733 **B6 PCT** 10/4/90 **B**7 90/11366 PCT 91/02744 3/7/91 **B8** PCT 93/00049 1/7/93 **B9** TECH CENTER 1600/2900 12/12/84 0128041 B10 7/10/85 EР B11 0148155 ΕP 1/22/86 B12 0169016 EΡ 5/28/86 **B13** 0182483 ΕP **B14** 0212474 3/4/87 OTHER ART, JOURNAL ARTICLES, ETC. OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) EXAM. INIT. Canalis et al., "Stimulation of DNA and Collagen Synthesis by Antologous Growth Factor in Cultured Fetal CEL Rat Calvaria," Science 210:1021-1023 (1980). Centrella, "Transforming and Nontransforming Growth Factors are Present in Medium Conditioned by Fetal C2 Rat Calvariae," Proc. Natl. Acad. Sci. USA 82:7335-7339 (1985). Colowick et al., Methods in Enzymology 146:294-312 (1987). C3 Farley et al., "Human Skeletal Growth Factor: Characterization of Mitogenic Effect on Bone Cells In C4 Vitro," Biochem. 21:3508-3513 (1982). Glowacki et al., "Application of the Biological Principle of Induced Osteogenesis for Craniofacial Defects," C5

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Lancet 1:959-963 (1981).

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EVAM.		OTHER ART, JOUR	NAL ARTICLES, ETC.	IECH CENTER	16			
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)							
Eest	C6	C6 Klausner, "Collagen Corp. Isolates Cartilage Inducers," <u>Biotechnology</u> 3:567-568 (1985).						
1	C7	LeGendre et al., "Direct Protein Microsequ 6:154-159 (1988).	uencing from Immobilon-P Transfer M	Iembrane," <u>Biotechniques</u>				
	C8	Lyons et al., "Vgr-1, A Mammalian Gene Related to Zenopus Vg-1, Is A Member of the Transforming Growth Factor B Gene Superfamily," Proc. Natl. Acad. Sci. USA 86:4554-4558 (1989).						
	C9	Maugh, "Human Skeletal Growth Factor Isolated," Science 217:819 (1982).						
	C10	Olson et al., "Deglycosylation of Chondroitin Sulfate Proteoglycan by Hydrogen Fluoride in Pyridine," Analyt. Biochem. 146:232-257 (1985).						
	CII	Padgett et al., "A Transcript From A Drosophila Pattern Gene Predicts A Protein Homologous To The Transforming Growth Factor-B Family," Nature 325:81-84 (1987).						
	C12	Reddi, "Cell Biology and Biochemistry of Endochondral Bone Development," Collage Rel. Res. 1:209-226 (1981).						
	C13	Reddi, "Implant-Stimulated Interface Reactions During Collagens Bone Matrix-Induced Bone Formation," <u>Journal of Biomedical Materials Research</u> 19:233-239 (1985).						
	C14	Rosen et al., "Purification and Molecular Cloning of a Novel Group of BMPs", Connect. Tissue Res. 20:313-319 (1989).						
	C15	Rudinger, "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence," Peptide Hormones (Parsons, et al. ed.), University Park Press, Baltimore, 1-7 (1976).						
	C16	Sampath et al., "Dissociative Extraction and Reconstitution of Extracellular Matrix Components Involved in Local Bone Differentiation," Proc. Natl. Acad. Sci. USA 78:7599-7603 (1981).						
	C17	Sampath et al., "Drosophila Transforming Growth Factor β Superfamily Proteins," Proc. Natl. Acad. Sci. USA 90:6004-6008 (July 1993).						
	C18	Sampath et al., "Isolation of Osteogenin, A Heparin Affinity Chromatography," <u>Proc.</u>						
	C19	Sampath et al., "Role of Extracellular Matrix: Structure and Function (A.H. Rede						
	C20	Sampath et al., "Homology of Bone-Induc Matrix," Proc. Natl. Acad. Sci. USA, 80:6	The state of the s	ovine, and Extracellular				
	C21	Seyedin et al, "In Vitro Induction of Cartil	age-Specific Macromolecules by a Bo	ne Extraci," Proc. Natl.	1			

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		OTHER ART, JOURNAL ARTICLES, ETC.				
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)					
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1	C23	Simpson, "Growth Factors Which Affect Bone," Trends Biochem. Sci. 9:527-530 (1984).				
- -	C24	Urist et al., "B-tricalcium Phosphate Delivery System for Bone Morphogenetic Protein," Clin. Orth. Rel. Res. 187:277-280 (1984).				
	C25	Urist et al., "Human Bone Morphogenic Protein (hBMP)," Proc. Soc. Exp. Bio. Med. 173:194-199 (1983).				
	C26	Urist et al., "Purification of Bovine Bone Morphogenetic Protein by Hydroxyapatite Chromatography," Proc. Natl. Acad. Sci. USA 81:371-375 (1984).				
	C27	Wang et al., "Purification and Characterization of Cartilage and Bone Inducing Factors," Calcified Tissue Int. (Suppl) Ab No. 146, ppA37 (1988).				
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	C30	Weeks et al., "A Maternal mRNA Localized to the Vegetal Hemisphere in Xenpus Eggs Codes For A Growth Factor Related to TGF-B," Cell 51:861-867 (1987).				
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